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LC. BERGENFIELD
(Lc. Cynthia Church X C. Titrianae)

Orchidhaven

1 9 5 1 C A T A L O G U E



Orchidhaven

1951

THIS CATALOGUE presents the Orchidhaven list for 1951. You will find many distinctive new features as well as old favorites in this list, covering Seedlings from 2½ inch pots up to and including Blooming Size Plants.

In the description of each item, Orchidhaven presents a brief, factual account which tells you what may be expected of these seedlings when they reach a mature stage. This information is based on our experience with each separate batch, and it is fully supported by our own tests. In every instance, we have made many repeat crosses with identical parents.

There is no substitute for experience in the production of Hybrids. Orchidhaven prides itself on time-tested skill at creating varieties, the characteristics of which reflect an intimate knowledge of parental qualities. That is why Orchidhaven blooms are celebrated for outstanding and dependable hybrids among amateur and commercial growers everywhere.

Orchidhaven believes that every plant should possess these essential qualities:

FINE GROWTH . . . PRODUCTIVITY . . . COLOR . . . SIZE . . .
TEXTURE . . . and SEASONAL BLOOMING.

We satisfy ourselves that these qualities are combined to the fullest extent in every item before it is offered for sale in the Orchidhaven collection.

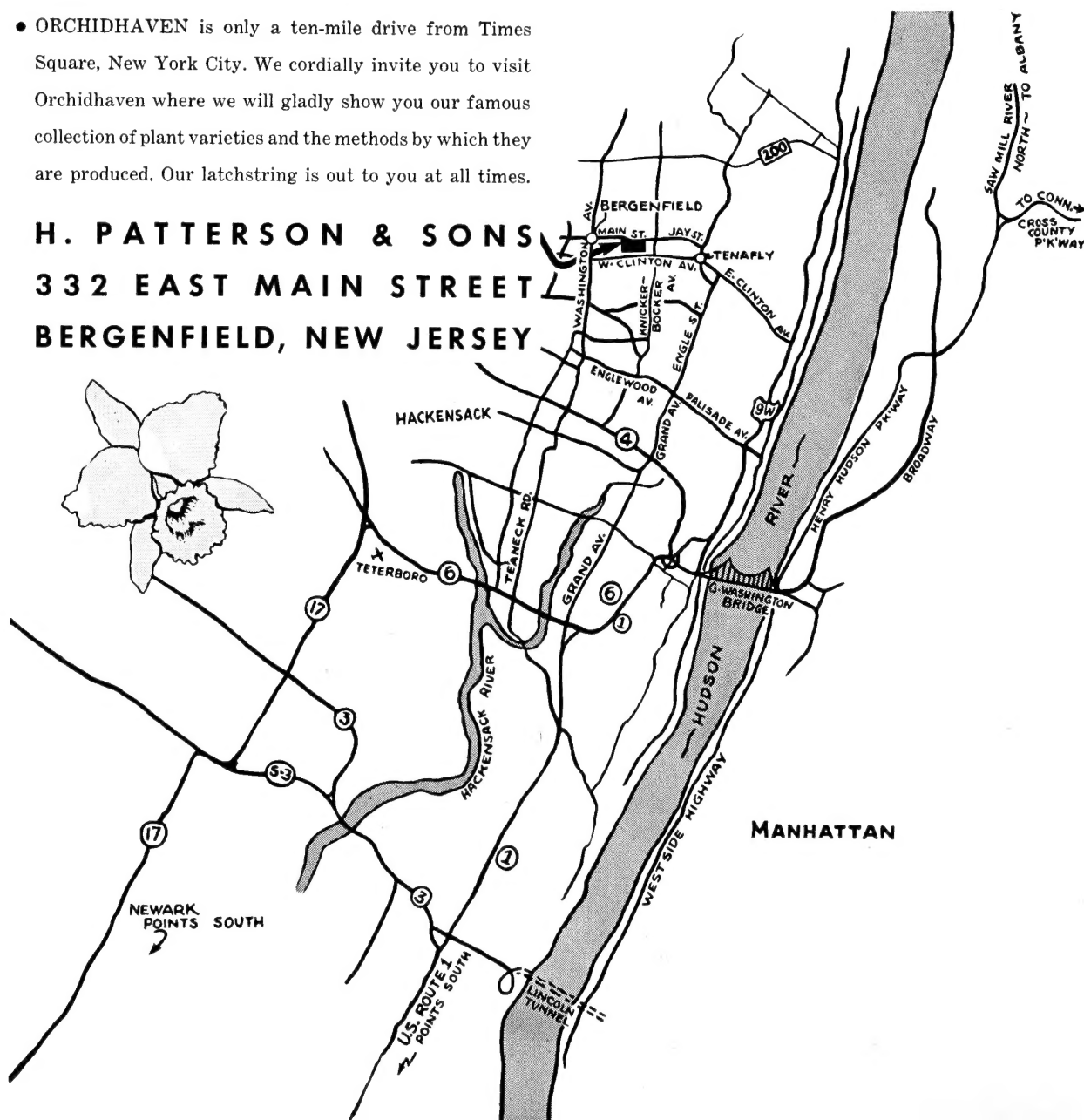
When ordering from Orchidhaven check these points:

- 1 We have a few additional crosses not listed herein. Kindly write and tell us if your special requirements are not listed. It is very possible that we can supply what you desire.
- 2 In selecting a number, please name a second choice as a replacement, in the event that the first number has been completely sold.

- 3 Virtually all plants sold by Orchidhaven are ready for a shift during their present growing season because we do not over-pot.
- 4 Orchidhaven plants are shipped to every part of the United States and its possessions, Canada, Central and South America, Cuba and the Philippine Islands. We are equipped to comply with special Hawaiian regulations affecting imports of Orchid Plants.
- 5 Kindly send estimated shipping costs for overseas deliveries in order that shipments may be prepaid to avoid delays. Our own experience with air mail and air express to all countries has been found highly satisfactory for deliveries.
- 6 We prefer to ship plants out of pots, placing plants with compost intact in paper pots. This method greatly decreases shipping cost.
- 7 Packing by Orchidhaven is free of charge for all plants listed on these pages. Prices are F.O.B. Bergenfield, N. J., in U. S. Dollars.

- ORCHIDHAVEN is only a ten-mile drive from Times Square, New York City. We cordially invite you to visit Orchidhaven where we will gladly show you our famous collection of plant varieties and the methods by which they are produced. Our latchstring is out to you at all times.

H. PATTERSON & SONS
332 EAST MAIN STREET
BERGENFIELD, NEW JERSEY





Pictured here is a plant of our C. Barbara Billingsley bearing fourteen flowers. This is not unusual as Barbara Billingsley is one of the strongest growing Cattleyas at Orchidhaven.

VIGOR is a feature of every item offered by Orchidhaven.

In all organic reproduction, the cells responsible for the perpetuation of characteristics may or may not be vigorous. But this factor can be controlled by proper selection. Scientific knowledge and practical experience are combined in crosses at Orchidhaven in selecting parents endowed with a remarkably high degree of vigor. That is why Orchidhaven products have won a top reputation for their growing strength and natural vitality.

The resources at Orchidhaven for the successful attainment of vigor as a characteristic in hybrids are unsurpassed. More than one thousand new hybrids have been produced with healthy and strong growing qualities. Our files contain testimony to the fact that unusually numerous flowerings on a single stem, even in large type hybrids, make the rule rather than the exception.

In the fission of cell life, the orchid hybrid gains new individuality but the question is: will this gain be at the expense of

life-giving strength? The reply from Orchidhaven is that vigor is a prime essential in every one of our hybrids. We make that statement confidently because we have given this factor intensive study and application. It is a fact confirmed far and wide by our satisfied customers. You may be assured that, in addition to other essential qualities, the Orchidhaven seedlings and blooming plants are outstanding for their vigor, health, and growing capacity.



*View of House #19 showing tremendous vigor of adult
Orchidhaven Hybrids at 6 to 10 years of age.*

Flowered and Unflowered Cattleya and Laeliocattleya Hybrids in 2½ inch Pots and Up

A most extensive collection of outstanding and excellent crosses is listed in the following pages in 2½ inch pots and up. We have been extremely careful to make this list a very complete one with regard to colors and seasons where flowers are needed. These crosses will be of great interest to both amateurs and commercial growers.

Cross No.	Name, Parentage and Description	Size	Each
H.J.P.	Lc. Harold J. Patterson (Lc. Princess Margaret No. 2 X C. Charybdis) This is our newest and one of our finest Hybrids. The flowers are extremely large, very well shaped, dark colored and of great texture. Growth is exceptional and season of bloom is June. Some plants have bloomed with as many as four flowers on one stem, the first time blooming, with a great many of the flowers measuring more than seven inches across. In making Lc. Harold J. Patterson we have used our favorite Princess Margaret No. 2 which has time and again proven itself superior in making such fine crosses as Lc. Oliver Lines, Orchidhaven's strain of Lc. George Baldwin in eight different crosses, Lc. American Security, Lc. Joseph Medill Patterson and many other crosses still unnamed.	2½" Pots 3" Pots 3½" Pots	\$ 5.00 \$10.00 \$14.00
505	C. Trimos (C. Mossiae No. 24 X C. Trianae Gold Lip) An old dependable cross for February and March is repeated here with very fine parents. The flowers should be of medium color and the plants from any former cross of the same parents have grown very well. When the proper parents are selected such as the case is here, flowers of good texture can well be expected. We have had a number of these plants bloom and the results have been very fine. The season, of course, as stated is the same, February and March, making this a valuable cross for the commercial grower wanting flowers for early Easter.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
529	C. Lorraine Sawtelle (C. Barbara Dane X C. Clementine Goldfarb) September is a month which is generally shy as far as Whites are concerned. Commercial Growers are always at wit's end to cope with the demand during this season. The two parents used here always bloom during this period. Two very excellent types were used in this cross, both excellent growers.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
542	C. Enid Alba (C. Mossiae "Reineckiana" Young's Variety X C. Gigas "F.M.B.") Our full confidence in this grand Hybrid has prompted our remaking this cross again and again. Please refer to description under No. 544.	2½" Pots 3" Pots 3½" Pots 4" Pots	\$ 4.00 \$10.00 \$12.00 \$16.00
543	C. Alice Pearce (C. Mossiae "Reineckiana" Young's Variety X C. Princess Royal Alba) A fine Spring blooming White Colored Lip is the result from the union of these two great parents. C. Mossiae "Reineckiana" (Young's Variety) has a	3" Pots 3½" Pots 4" Pots	\$10.00 \$12.00 \$16.00

Cross No.	Name, Parentage and Description	Size	Each
	great many new Hybrids to its credit. Since our last writing a few of these Hybrids have bloomed. The season is early spring through late spring and the flowers are a remarkably clear white in sepals and petals with a very fine lip. Incidentally, this Hybrid is an excellent grower.		
544	C. Enid Alba (C. Mossiae "Reineckiana" Young's Variety X C. Gigas "F.M.B.") Any of the times we remake this Hybrid it is always with the same parents. You can purchase with this assurance. C. Enid Alba can be controlled by light to make it bloom for Easter and later which, of course, makes it a much more valuable Hybrid in the white colored lip class. We have had a number of plants blooming with over 25 flowers. These facts make this one of the most important Hybrids for both the amateur and commercial grower.	3" Pots 3½" Pots 4" Pots	\$10.00 \$12.00 \$16.00
545	C. Alesia (C. Mossiae "Reineckiana" Young's Variety X C. Dionysius Alba No. 97) Here again we have a very fine Spring White with Colored Lip. We use a particular Dionysius Alba which has made some wonderful Hybrids for us. The famous C. Mossiae "Reineckiana" (Young's Variety) is the other half of this cross. Season is May and June. We have bloomed several plants of this variety and also have a number in bud and through the past year they have grown very well.	3" Pots 3½" Pots 4" Pots	\$10.00 \$12.00 \$16.00
547	C. Marion Patterson (C. Marion Davies X C. Trianae "Broomhills Variety") The union of these two wonderful parents produces a White Hybrid which blooms during the months of March and April making it a very valuable Easter White. Blooms are of extremely firm texture and growth has been very strong through the seedling stage. The flowers are an excellent clear white with a minimum amount of yellow in the throat, are very large and from the first few plants which bloomed they are sure to be excellent producers.	3" Pots 3½" Pots 4" Pots	\$10.00 \$12.00 \$16.00
548	C. Evamay Patterson (C. Intertexta "Juliette" X C. Trianae "Broomhills Variety") The crossing of these two Cattleyas has brought about a fine new Hybrid which is well shaped, large sized, excellent in texture and a strong grower. The most important asset of this new White Cattleya is the fact that it blooms during early Spring through Easter. We have bloomed a number of plants of this variety and they have certainly come up to our expectations.	3" Pots 3½" Pots 4" Pots	\$10.00 \$12.00 \$16.00
551	C. Catherine Patterson (C. Enid Alba XXXX Best X C. Mrs. Frederick Knollys) The fine growing character of both these crosses makes an excellent Winter White Colored Lip. Both parents are extremely large flowers with very fine lips. Both parents always bloom during January, February and March, making this particular cross excellent material to fill a great need for White Colored Lip for the Easter market. The number of flowers which have bloomed so far have been a great deal like Enid although they are very much improved Enids, having a much hardier flower of great size and texture.	3" Pots 3½" Pots	\$10.00 \$12.00

Cross No.	Name, Parentage and Description	Size	Each
552	C. Mlle. Louise Pauwels (C. Edithae No. 1 XXXXX X C. Intertexta "Juliette" No. 158) This is an excellent grower for the months of February and March. This particular Edithae used here never blooms until the first week in March or later. The intertexta used is a fine type from a large seedling batch raised at Orchidhaven.	3" Pots 3½" Pots	\$10.00 \$12.00
553	C. Yvonne Adair (C. Clementine Goldfarb X C. Helen P. Dane) An exceptionally strong growing and very large White for November and December is the result of this union of two grand White Hybrids. It is not at all uncommon to have Clementine Goldfarb make two growths per year on a single lead plant. Flowers are always very large and it is not unusual to see flowers to the number of four on a stem. C. Helen P. Dane can always be remembered for its paper whiteness and very fine form.	3" Pots 3½" Pots	\$10.00 \$12.00
554	Lc. American Security (C. Royana X Lc. Princess Margaret) C. Royana is an exceptionally strong growing Cattleya of large size. Its color is very dark with exceptionally dark lips with a wonderful suffusion of yellow. A union with Princess Margaret makes this a great Hybrid for the months of May, June and July with a few plants blooming as late as November. Growth is most outstanding and the season, of course, is very advantageous with the main crop blooming directly after Mossiae. Lc. American Security is very similar to Lc. George Baldwin except that for the most part it is a much darker flower and possibly a little better in shape.	3" Pots 3½" Pots	\$10.00 \$12.00
555	Lc. Joseph Medill Patterson (Lc. Princess Margaret X C. Tappan) We are using Princess Margaret in a number of different ways with very strong growing Hybrids only. This particular cross yields an exceptionally strong growing Hybrid for late Fall of that dependable Princess Margaret type.	3" Pots 3½" Pots	\$10.00 \$12.00
557	Lc. Myron McCormick (C. Dinah x Lc. Excelsior X C. Mossiae "R.E. Patterson") Here again we have an Easter blooming Hybrid. C. Mossiae "R.E. Patterson" is the darkest Mossiae we know of and it is of the early type, well shaped and of very good substance. The Hybrid used on this Mossiae has a splendid shape and always has an extra dark lip. This is a very outstanding Hybrid for Spring blooming purposes.	3" Pots 3½" Pots	\$10.00 \$12.00
558	C. Bing Crosby (C. R. Cadwalader X C. Royana) There has been in the past a particular deficiency of quality Hybrids during May and June. This particular cross has helped to bridge this specific period. Both parents are very strong growers.	3½" Pots	\$12.00
559	C. Margaret Moran (C. Royana X C. Carmen) Here again we make a bid for a May and June Hybrid of good quality to cover a sparse period in Hybrids. Both parents were of a very dark color and had exceptionally well colored lips. A strong growing plant is the result.	3" Pots 3½" Pots	\$10.00 \$12.00

Cross No.	Name, Parentage and Description	Size	Each
560	C. Margaret Moran (C. Royana X C. Carmen) Please refer to No. 559 for description.	3" Pots 3½" Pots	\$10.00 \$12.00
564	Lc. Arthur Miles (Lc. Sagana "Variety Easter" X C. Mossiae) This is a repeat cross for us. We have made it again because all of the earlier batches have proven most successful in making a large, dark free growing Hybrid for the Easter season.	3" Pots 3½" Pots	\$10.00 \$12.00
565	C. Enid Alba (C. Mossiae "Reineckiana" Young's Variety X C. Gigas "F.M.B.") Please refer to description under No. 544.	2½" Pots 3" Pots 3½" Pots	\$ 4.00 \$10.00 \$12.00
566	Lc. Bou Philippo (Lc. Windermere X C. Mossiae "R.E. Patterson") This is a repeat cross of which we have bloomed three other crosses with the identical parents. We are very certain the results again will be as before. The flowers fill a great need for exceptional Hybrids for the Spring season; a season which, at the present time, is devoid of quality Hybrids in quantity.	3" Pots 3½" Pots	\$10.00 \$12.00
567	Lc. Arthur Miles (Lc. Sagana "Easter Variety" X C. Mossiae "R.E. Patterson") Please refer to No. 564 for description.	3" Pots 3½" Pots	\$10.00 \$12.00
568	Lc. Bou Philippo (Lc. Windermere "A.M." Variety X C. Mossiae "Oliver Lines") For several years we have been blooming this particular cross under our No. 285 and we have had some very excellent types. One of the main reasons for the great value in this cross is its particular season; we have always cut a great number of flowers for Easter. It can be handled a good deal like Mossiae and its grand performance as far as season, quantity of flowers and fine growing qualities are concerned, has prompted us to remake this cross again and again. To date it has been one of our finest type Mossiae Hybrids. We repeat this cross with the identical parents which made No. 285.	3" Pots 3½" Pots	\$10.00 \$12.00
569	Blc. Sherman Billingsley (Blc. Eva Patterson X C. Belgica "A.M." Variety) Our quest here is for fine Hybrids for December and January covering the Holiday season of the year. Both parents are very strong growers. Flowers should also be very large. The C. Belgica which was used received an award at the A.O.S. meeting in December 1947. We have bloomed a few of these plants and they have certainly come up to our expectations.	3" Pots 3½" Pots	\$10.00 \$12.00
570	Lc. Ida S. Myers (Lc. Windermere "A.M." X C. Enid XXXX) We have remade this cross with identical parents as our earlier batch has been so very satisfactory. The flowers of the previous batch were large, dark and well shaped, and texture was very good. The plant is a very strong grower.	3" Pots 3½" Pots	\$10.00 \$12.00

Cross No.	Name, Parentage and Description	Size	Each
571	Lc. Carol Channing (Lc. Derrynane "Var. Henrietta Patterson" X C. Royana "Extra Fine") Two exceptional Hybrids were used. Lc. Derrynane is a Hybrid derived from Lc. Princess Margaret. C. Royana is described elsewhere in this list.	3" Pots 3½" Pots	\$10.00 \$12.00
572	Lc. George Lewis (Lc. Helen Wilmer "A.M." Variety X Lc. Altesse) Both Lc. Helen Wilmer and the Lc. Altesse which were used were exceptionally dark flowers. It is a very strong grower producing dark flowers of fine texture, good form and excellent quality with a blooming season from December through March. It is similar to our popular Lc. Governor Gore and will prove very valuable to both the commercial and amateur growers.	3" Pots 3½" Pots	\$10.00 \$12.00
573	C. Enid Alba (C. Mossiae "Reineckiana" Young's Variety X C. Gigas "F.M.B.") Please refer to description under No. 544.	3" Pots 3½" Pots	\$10.00 \$12.00
574	C. Claire August (C. Mount Raphoyal X C. Mossiae "R.E. Patterson") The Hybrid used on C. Mossiae "R.E. Patterson" was an extremely dark and well shaped flower of great substance. The lip of this particular Hybrid was very dark with large yellow eyes. The flower over-all was very large. We again use our old standby, Mossiae "R.E. Patterson."	3" Pots 3½" Pots	\$10.00 \$12.00
575	Lc. Ernie Pyle (Lc. Altesse X C. Mossiae "R.E. Patterson") This cross was remade with our fine dark Mossiae "R.E. Patterson." When we first made this particular cross we were very happy over the fact that the first plant bloomed in three years and four months from seed. When this plant was six years old it bloomed on seven bulbs; the reason being, on single lead parts of the plant two growths have been put up each blooming year. The flowers which we cut on this plant last year numbered twelve blooms. The plant is now a strong double lead plant.	3" Pots 3½" Pots	\$10.00 \$12.00
577	Lc. George Baldwin (Lc. Princess Margaret No. 2 X C. Enid "Variety Orchidhaven") We remake this particular cross once again with the best parents obtainable assuring fine results. Little need be said in its behalf. In the short time of its existence it has already won a great many awards. Our firm has raised and flowered several batches of this great Hybrid and with the knowledge gained thereby feel qualified in repeating this exceptional cross from time to time. Season is remarkable, starting in May and blooming through the Fall with a number of the plants blooming for the second time throughout the Winter, especially if plenty of light is afforded the plants while in growth. Flowers are always large and well shaped. Substance is excellent. Color is mostly dark.	3" Pots 3½" Pots	\$10.00 \$12.00
578	Lc. George Baldwin (C. Enid "Variety Orchidhaven" X Lc. Princess Margaret No. 2) Please refer to description under No. 577.	3" Pots 3½" Pots	\$10.00 \$12.00

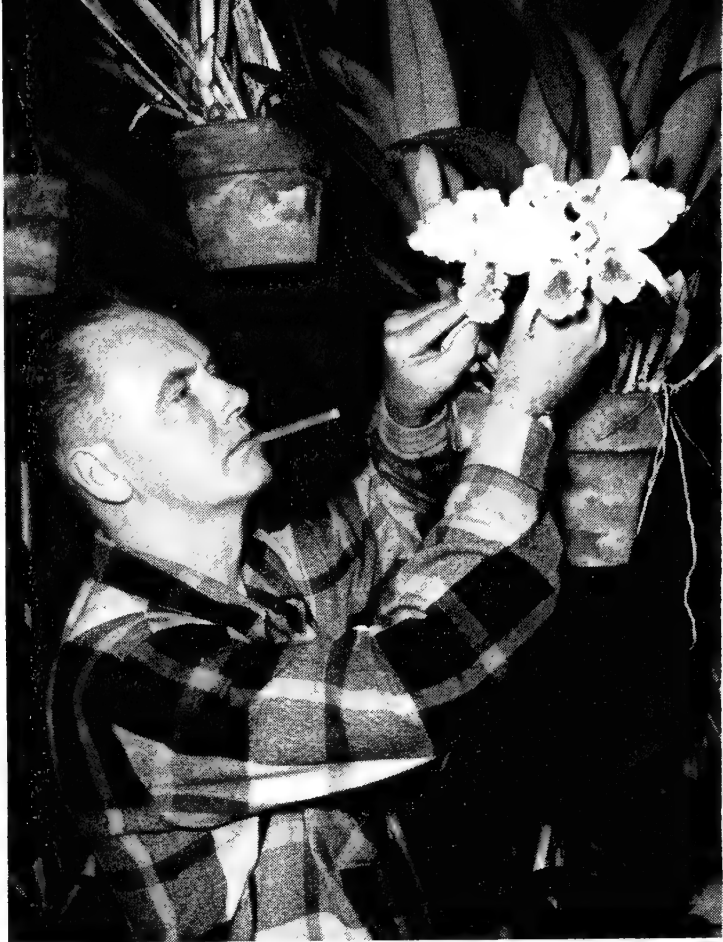
Seedlings in 3 inch Pots and Up

Cross No.	Name, Parentage and Description	Size	Each
399	C. Helen Durfee (C. Clementine Goldfarb X C. Ben Nevis) One of the very useful things in White Cattleyas is to have fine flowers in the months of September, October and November. This season is a busy one for the commercial man and is a most enjoyable time to have flowers for the amateur flower shows. A great number of plants of this Hybrid have already bloomed and have proven most satisfactory. Flowers are well shaped and of good texture. This Hybrid is an excellent grower.	4" Pots 4½" Pots 5" Pots	\$16.00 \$18.00 \$22.00
400	C. Frances Carlsen (C. S.E. Endicott X C. Clementine Goldfarb) The season for this Hybrid is about the same as No. 399. It is also a very fine grower. Many plants are putting up as many as two growths per year on a single lead plant. It is not unusual for a stem to bear as many as four flowers.	4" Pots 4½" Pots 5" Pots	\$16.00 \$18.00 \$22.00
401	C. Enid (C. Mossiae "R.E. Patterson" X C. Gigas) This is a repeat cross of a very dependable Cattleya. Two very fine parents were used. C. Enid has always been known for its fine growing characteristics. Flower production has always been above average in this particular cross.	4" Pots 4½" Pots 5" Pots	\$16.00 \$18.00 \$22.00
404	Lc. Ruth Jonson (C. Admiration X Lc. Altesse "Variety Orchidhaven") An abundance of C. Remy Chollet in this cross will go a long way in making it a fine Hybrid. Both parents are of the best type procurable. Several of the 4 inch plants have bloomed. The flowers were very dark and very well shaped. The plants continue to grow like either one of the parents.	4" Pots 4½" Pots 5" Pots	\$16.00 \$18.00 \$22.00
419	C. St. Petersburg (C. Clementine Goldfarb "Osmers Var." X C. Eucharis "Var. Orchidvale") C. Clementine Goldfarb (Osmers Variety) is a proven pure White which is an extremely vigorous grower. In flower production it is unexcelled. It always makes two growths on single lead plants. The C. Eucharis which was used was the best procurable. Season is variable, the main crop coming in during January, February, March and April with some blooming as late as mid-summer. C. St. Petersburg was named in honor of the first Orchid Show held in St. Petersburg, Florida, on April 2nd, 1949.	4" Pots 4½" Pots 5" Pots	\$16.00 \$18.00 \$22.00
420	C. St. Petersburg (C. Eucharis "Var. Orchidvale" X C. Clementine Goldfarb "Osmers Var.") Please refer to description under No. 419.	4" Pots 4½" Pots 5" Pots	\$16.00 \$18.00 \$22.00
426	C. Florence Patterson (C. Clementine Goldfarb X C. Rita Sladden) This cross is a very strong growing Pure White for Fall and early Winter. Flowers are large and of excellent substance.	4" Pots 4½" Pots 5" Pots	\$16.00 \$18.00 \$22.00

Cross No.	Name, Parentage and Description	Size	Each
428	Lc. Alten (Lc. Altesse "Var. Orchidhaven" X C. Enid "Var. Orchidhaven") We have repeated this cross because of the very fine results of an earlier cross with the same parents. The result has been an extra large flower much darker than most Enids. The lip is very dark and exceptionally large. The season is January, February and March. Both parents are exceptionally strong growers and so far this particular batch is also very strong in growth.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
429	Lc. Walter Winchell (C. Tappan X Lc. Dupresan) This Hybrid was pictured in one of our advertisements. It is a very large, well shaped, dark flower of great texture. Growth is exceptional.	4½" Pots 5" Pots	\$18.00 \$22.00
431	Lc. Jack McCauley (C. Treda X Lc. Altesse) The presence of C. Leda in C. Treda will go far in imparting high color to this Hybrid. All of the components bloom in the Winter. The resulting Hybrid is a very fine grower.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
432	Lc. Ethel Merman (Lc. Jane Dane X Lc. Canhamiana Alba) One of the hardest seasons to breach with a good White with a Colored Lip is in the late Winter and early Spring months. After a great many attempts, we have finally succeeded in making what we believe is the most outstanding cross in this class. Season is February to April.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
433	Lc. Frances Cohn (C. Enid X Lc. Dupresan) Two very strong growers have been used here to make this cross. Resulting Hybrid is of medium dark color. The size is very good as both parents are inclined to be large. Season is December.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
436	Lc. Ann Morgan (Lc. Dupresan X C. Magowa) An extremely strong growing Hybrid of fine coloring especially in the labellum should be the result of this crossing. Earlier use of both parents in other crosses has resulted in some very excellent Hybrids. Season of bloom should be November and December. Commercial growers could use this Hybrid for their Thanksgiving and Christmas markets.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
441	C. Enid (C. Mossiae X C. Gigas) No collection would be complete without C. Enid. We make this cross from time to time in order to insure the amateur and market grower a dependable supply.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
455	C. Clotho (C. Enid X C. Trianae) Season is the outstanding part of this cross. It is a sure midwinter FLOWER. Growth is excellent.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
456	C. Iva Withers (C. Remy Chollet X C. Cherokee) The season which will be covered by this Hybrid should be November and December as both sides of the cross bloom at this time of the year. Both are very strong growers.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00



Mrs. Henrietta Patterson holding new seedling, C. Alice Pearce, a valuable Easter and Spring blooming White Colored Lip.



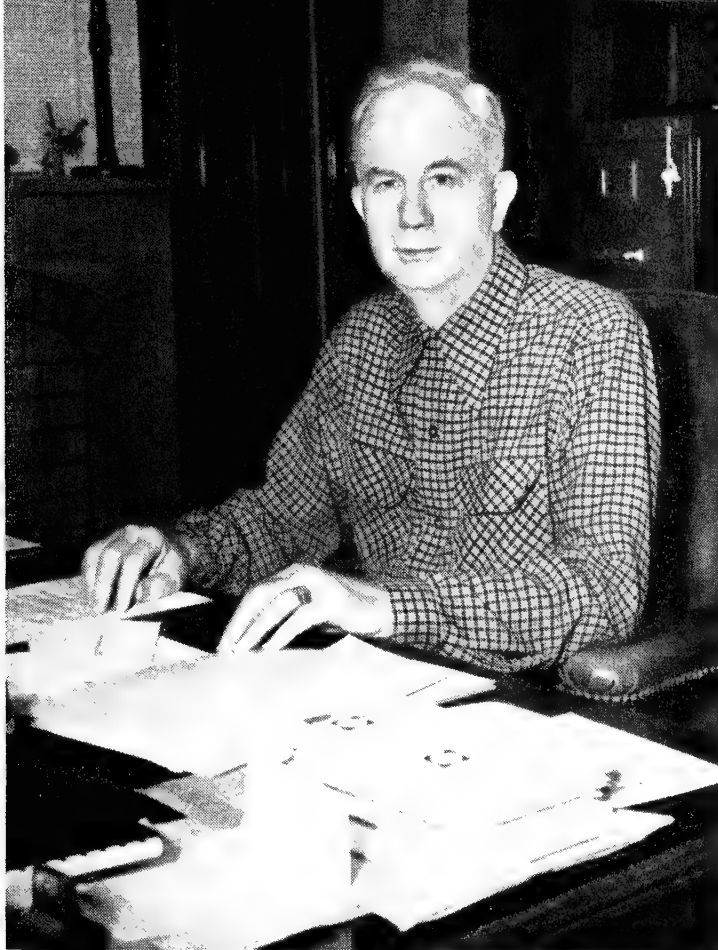
Edwin Patterson cutting a fine specimen of Enid Alba from a strong hanging plant in one of the houses at Orchidhaven.

ORCHID



Mr. Alec Michie potting 3½ inch seedlings at his bench in our potting room.

AT ORCHIDHAVEN, the work of growing orchids is shared by Mrs. Henrietta Patterson and her three sons, representing an absorbing interest which completely dominates the family and accounts in large part for the success of the company. Edwin is in charge of general operations, the growing of the plants and their care; George assumes responsibility for the details of business administration; while Harold J. carries on the hybridizing and plant selling. Mrs. Patterson has the important job of seeing that these beautiful plants and flowers reach all parts of the world in the same state of perfection as when leaving Orchidhaven. Invaluable knowledge gained from many years of research and experience is the result of this unusual co-operation.



George Patterson about to start his busy day going over the morning's mail.



Harold J. Patterson hybridizing one of Orchidhaven's rare Hybrids.

ORCHIDHAVEN

C. Barbara Billingsley blooming second time with seven flowers on single lead plant on one stem. One of the finer new Whites which lends itself very readily to light treatment to retard for Easter purposes.



C. Enid Alba blooming first time in three inch pot at the age of four years and one month from seed.

Cross No.	Name, Parentage and Description	Size	Each
457	C. Peter Sander (C. Remy Chollet "Dark Type" X C. Mossiae "Dark") The fine results of this cross when it was originally made prompted us to remake this fine Hybrid. Both parents were exceptional in their class.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
458	Lc. Lydia Johnson (Lc. Mermoz X C. Mossiae "R.E. Patterson") A scarce time for Cattleya and Laeliocattleya blooms is the months of February and March. Lc. Mermoz generally blooms during January and February. The Mossiae used here is a very fine dark type which we have used over and over again and always with excellent results. Similar crosses have generally bloomed during the months of February, March and into April.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
460	Lc. Byron Palmer (C. Mahopac X Lc. Altesse) Both parts of this cross have always bloomed between November and December. A most desirable time for both the amateur and market grower. Vigor is assured because of the strong growing character of both parents.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
461	C. Peter Sander (C. Remy Chollet X C. Mossiae) Hybrids for the Easter season will be assured by this cross. In other words, a glorified Mossiae.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
462	C. Lou Morgan (C. Treda X C. Mossiae "R.E. Patterson") A bright dark and well shaped flower for Easter blooming period should be the result of this cross. Both parents are very strong growers.	3½" Pots 4" Pots 4½" Pots	\$12.00 \$16.00 \$18.00
464	Lc. Arthur Miles (Lc. Sagana X C. Mossiae) Earlier results of this grand cross prompted our repeating it. Season is definitely Easter. Some exceptionally fine colors were noted in our earlier batch. It is good Mossiae replacement material.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
465	Lc. Arthur Miles (Lc. Sagana "Var. Easter" X C. Mossiae "Oliver Lines") This is a repeat cross with IDENTICAL parents. The excellent results of the earlier cross have prompted our remaking this fine Hybrid. The result has been a very much glorified Mossiae. Season is just ahead of our regular Mossiae season. This provides a fine Hybrid which does not have to be forced for Easter. It also will give the amateur an excellent Hybrid for that very scarce winter period.	3" Pots 3½" Pots 4" Pots 4½" Pots 5" Pots	\$10.00 \$12.00 \$16.00 \$18.00 \$22.00
468	Lc. Mary Martin (C. Hardyana Alba X Lc. Jane Dane) Union of these two very fine parents results in a fine White with Colored Lip for September, the month of weddings.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
478	Lc. George Baldwin (Lc. Princess Margaret "Extra Fine Var." X C. Enid) This is a repeat cross of two great orchids and little need be said in its behalf. In the short time of its existence it has won a great many awards.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00

Cross No.	Name, Parentage and Description	Size	Each
479	C. Florence Patterson (C. Rita Sladden X C. Clementine Goldfarb) This is a reverse cross of No. 426. It is one of our strongest growing white crosses.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
482	C. Old Forester (C. Enid X C. Charybdis) The fine growing qualities of C. Enid merged with the other Hybrid used here makes this a very desirable Hybrid for late Winter and Spring months. C. Old Forester should go a long way in helping to bridge this particular season when there is an apparent shortage of quality Hybrids. It is an exceptionally heavy textured flower of great substance and the color is real dark, bright fuchsia-orchid having a well shaped lip with fine yellow in the throat.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
487	C. Maureen Orcutt (C. Lady Alexander Alba X C. Royal Harold Alba) A need for a free growing White for Fall weddings prompted this cross. Both parents are paper white in the petals and sepals with very brilliant lips.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
489	C. Maureen Orcutt (C. Royal Harold Alba X C. Lady Alexander Alba) We refer you to description under No. 487.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
491	Lc. Canhamiana Alba (L. Purpurata X C. Mossiae "Reineckiana" Young's Variety) Lc. Canhamiana Alba has long been known to be one of the old standby White Colored Lips blooming during the months of May and June. Because of the very strong growing qualities of L. Purpurata which is half its parentage, the plant can always be depended on to be a very strong grower. It is also a fine producer of long lasting, very fragrant blooms. Flower stems generally carry three to six flowers and the general bud count per plant can be depended upon to be exceptionally high. This particular orchid also lends itself to light treatment very well and in the coming years it should prove a much more valuable cut flower than it has been in the past because of this reason. Light treatment makes it possible to flower this plant for both Easter and Mother's Day and to retard its blooming period to have it bloom during the month of June when it can be so well used for bridal purposes. We have a limited amount of stock to offer.	4" Pots 4½" Pots	\$18.00 \$20.00
493	C. Vanir (C. Gravesiana Alba X C. Mossiae "Wagnerii") Our quest here is for a good growing White for the Easter season. Both parents are strong growers and they are proven White breeders.	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00
494	C. Mlle. Louise Pauwels (C. Edithae No. 1 X C. Intertexta "Juliette") Here again we use our very late Edithae No. 1. The Intertexta "Juliette" is a proven white breeder which always blooms during the Spring months. Season should be March, April and May because of the variable blooming habit of Intertexta "Juliette."	3½" Pots 4" Pots 4½" Pots 5" Pots	\$12.00 \$16.00 \$18.00 \$22.00

Mature Plants

Cross No.	Name, Parentage and Description	Size	Each
16	C. Sweet Sixteen (C. Princess Royal X C. Marjorie) A strong growing Cattleya for September and October is the result here. It is unexcelled for flower production. The flowers are large and they are good keepers. The plant is of the compact type having small rhizomes.	5" Pots	\$25.00
32	Lc. Charles Futterman (Lc. Callistoglossa X C. Clotho) Large bright flowers born on a strong growing plant have been the result of this union of two exceptional growers. The season is variable stretching from October into the Winter months.	4½" Pots 5" Pots 5½" Pots	\$15.00 \$20.00 \$25.00
42	C. Raphaellaurea (C. Raphaelii X C. Ballaurea) Here again the parent C. Raphaelii lends itself to make a fine Fall Cattleya of good shape and substance. Blooming time is September and October.	4½" Pots 5" Pots	\$16.00 \$20.00
46	C. Cherokee (C. Raphaelii X C. Ballantineana) Two very old and very dependable Hybrids have been united here. The results have been most gratifying. A strong growing well shaped Hybrid which blooms during September, October, November and December has resulted.	4½" Pots 5" Pots	\$18.00 \$22.00
51	C. Tappan (C. Raphaelii X C. Elizabeth S. Prentiss) A highly colored and strong growing Fall blooming Cattleya has resulted from uniting these two exceptional parents. We have used this particular cross in making our very excellent Hybrid Lc. Walter Winchell. Flower production is exceptional.	4½" Pots 5" Pots	\$20.00 \$25.00
54	C. Prince John Alba X C. Prince John Alba A number of very interesting types have been flowered from this particular batch, having very slightly colored lips. Season is June through August.	4½" Pots 5" Pots	\$20.00 \$25.00
57	C. Magowa (C. Raphaelii X C. Ottawa) Here again we go on using C. Raphaelii and we do this because of its great dependability. The season this Hybrid blooms is September, October and November. We have flowered a great many fine forms of this strong growing Cattleya.	4½" Pots 5" Pots	\$20.00 \$25.00
95	C. Royana (C. Mt. Royal X C. Hardyana) An excellent Spring bloomer for the Spring months. Blooming season is May and June. A great many of the plants are exceptionally dark.	5" Pots 5½" Pots	\$20.00 \$25.00
98	C. R. Cadwalader X C. R. Cadwalader A need for late Spring flowers prompted remaking this particular cross. Many highly colored Hybrids of good character have resulted.	4½" Pots 5" Pots	\$18.00 \$22.00
103	Lc. Eugenie (Lc. Schroederae X C. Dionysius Alba) We herewith present an exceptional new White Colored Lip which has a blooming season of October through December. The flower is exceptionally large and the plant is an extremely strong grower. In its particular class flower production is unequalled.	4" Pots 4½" Pots 5" Pots	\$30.00 \$35.00 \$40.00

Cross No.	Name, Parentage and Description	Size	Each
209	Lc. Britannia Alba (C. Gigas "F.M.B." X Lc. Canhamiana Alba) This is a repeat cross with two excellent parents. The result has always been a fine growing White with Colored Lip. Season is March through May.	4" Pots 4½" Pots	\$20.00 \$25.00
210	C. Thomas C. Kirkwood (C. Princess Royal Alba X C. Gigas "F.M.B.") An early Fall White Colored Lip has resulted from this union of two old dependable types.	4½" Pots	\$25.00
218	Lc. Edith Dorp (Lc. Jane Dane X Lc. Schroederae) This Hybrid has bloomed for us during the past four years. It is a paper White with an exceptionally dark Colored Lip. Laeliocattleya growth is exceptional. We have had some very fine form which we have used in the different flower shows. Texture of all of the flowers has been very good. The flowering season is a long one, it extends from September into January.	4½" Pots 5" Pots 5½" Pots 6" Pots	\$20.00 \$25.00 \$30.00 \$40.00
220	Blc. Fred Danker (Blc. Cliftard X C. Empress Frederick) A medium colored Brassolaeliocattleya has been the result here. Blooming time is April and May. The plant is an exceptional grower.	4½" Pots 5" Pots	\$20.00 \$25.00
248	C. Ethel Bishop (C. S.E. Endicott X C. Barbara Dane) This new Hybrid has done very well where it has been shown. It has won several Awards. It is a well shaped White, blooming during September, October and November. The growth of the plant is very good and the plant is of a compact habit, giving a good account of itself in very small sizes.	4½" Pots 5" Pots	\$30.00 \$35.00
290	Lc. Bou Philippo (Lc. Windermere "A.M." X C. Mossiae) This cross has been so outstanding in this particular number and an earlier number, No. 285, that we have repeated the cross over and over again. Season was one of the main questions in making this cross. Mossiae in the make-up has taken care of this. Blooming time is March and April, making it a valuable Easter Hybrid. The shape is always very good, the texture is far better than straight Mossiae and the color is always darker than Mossiae. In fact, we simply say it is a glorified Mossiae.	5" Pots 5½" Pots	\$25.00 \$30.00
299	C. Barbara Billingsley (C. Joan Manda X C. Trianae "Broomhills Variety") We have bloomed this cross for the past five years. The results have been most satisfactory. Flowers are of very good texture, large and very well shaped. One of the fine types was awarded an "F.C.C." at the American Orchid Society Meeting in February 1947.	4" Pots 4½" Pots 5" Pots	\$30.00 \$35.00 \$40.00
302	Lc. Vandeletta (Lc. Ibbie X C. Leda) A bid for flower production was the thought behind this particular cross. This has been fulfilled with the result of an extremely dark and interesting type of flower. Substance is exceptionally firm and all	4½" Pots 5" Pots	\$20.00 \$25.00

Cross No.	Name, Parentage and Description	Size	Each
	the flowers have a very high sheen which glistens in bright sunlight or strong artificial light. The shape of the flower is very good. The presence of <i>C. Bowringiana</i> in the make-up of this Hybrid assures strong growth. We have had as many as eight flowers on a stem.		
317	Lc. Vandeletta (Lc. Ibbie X C. Leda) Please refer to description under No. 302.	4½" Pots 5" Pots	\$20.00 \$25.00
318	Lc. Vandeletta (Lc. Ibbie X C. Leda) Please refer to description under No. 302.	4½" Pots 5" Pots	\$20.00 \$25.00
319	C. Oritani Alba (C. Enid Alba X C. Princess Royal Alba) This is a repeat cross of an old dependable White Colored Lip. Two very select parents were used and the result has been most gratifying. The Hybrid blooms during September, October, November and December. Flower production is extremely good. Many of the single lead plants make two growths in a year and it isn't at all uncommon to have four or five flowers per stem. The color is an outstanding paper White. The lips are all highly colored and the shape is always good.	4½" Pots 5" Pots 6" Pots	\$30.00 \$35.00 \$40.00
324	Lc. Bergenfield (C. Titrianae X Lc. Cynthia Church) We choose to call this Hybrid strange. We say this because we have never had a Hybrid where the results from one are so entirely different from the other. We have had some very large spectacular flowers. All of the lips of the flowers have been extremely interesting and a great many are of a dark velvety fuchsia color. The plant is one of the strongest growers we have in our collection.	4½" Pots 5" Pots	\$20.00 \$25.00
330	C. Gigas X Bc. Imperialis A highly colored <i>Brassocattleya</i> of wonderful texture and fine shape is the result here. Blooming season, strangely enough, is November, December and January. An exceptionally fine grower.	5" Pots 5½" Pots	\$25.00 \$30.00
340	C. Daniel Ryerson (C. Woltho X C. Remy Chollet) A Winter blooming <i>Cattleya</i> , blooming November and December has resulted from the union of these fine parents. Flowers are well shaped and have exceptionally dark lips. Growth is very good.	4½" Pots 5" Pots	\$20.00 \$30.00
342	Lc. Eric Brotherson (Lc. Monora X C. Remy Chollet) Both Lc. Monora and C. Remy Chollet bloom in the early Winter period, making the result of a union of this type a valuable one because of the Christmas blooming period. It is a valuable asset for private growers also as they are in need of flowers at this particular season of the year for flower show purposes. The plant is a strong grower and flowers are exceptional in size.	4½" Pots 5" Pots	\$20.00 \$25.00
344	Lc. Jemima McMahon (Lc. Britannia Alba X C. Lady Alexander Alba) Lc. Jemima McMahon blooms through the months of April and May. It is a very strong grower.	4½" Pots 5" Pots	\$25.00 \$30.00

Cross No.	Name, Parentage and Description	Size	Each
345	Lc. Louis Dorp (Lc. Hertha X C. Mossiae “Oliver Lines”) The problem of having Spring blooming Hybrids with a quality better than Mossiae which are wanted during Mossiae time has been accomplished here. The best description we can give of this particular Hybrid is that it is a glorified Mossiae. The color is darker than most Mossiaes, shape is better, texture is better and flower production is the same as Mossiae. Growth, because of the large amount of Mossiae, is very good.	4½" Pots 5" Pots	\$20.00 \$25.00
369	C. Clementine Goldfarb (C. Cybele Alba X C. Snowden) This is a repeat cross of a very strong growing White Hybrid. We have a number of this Hybrid that are blooming from an earlier cross. The excellent results have prompted our remaking this fine cross. We have already bloomed a great many of the new batch. Results have been identical with the first batch. One of Clementine Goldfarb’s assets has been its productivity.	4" Pots 4½" Pots 5" Pots	\$20.00 \$25.00 \$30.00
379	Lc. Westwood (Lc. Sagana X Lc. Walter Jewell) Two very highly colored Hybrids were used here. Both are very excellent growers. We have flowered a number of the plants which have taken up a great number of the good qualities of both parents.	4" Pots 4½" Pots 5" Pots	\$20.00 \$25.00 \$30.00
380	C. Trianae (Extra Fine Dark) X Lc. Audrena “Regina” A Winter Hybrid of good color and character is the quest here. We believe that the parents which were used will absolutely produce this type plant. A number of the plants have bloomed and they are very satisfactory. Growth is exceptional.	4" Pots 4½" Pots 5" Pots	\$20.00 \$25.00 \$30.00
381	Lc. Madeline McDonald (C. President Wilson Alba X Lc. Canhamiana Alba) The result here is a large, well shaped flower which blooms during the months of December, January and February. The sepals and petals are a distinct paper white. The lips of most of the Hybrids have been of a dark fuchsia color. As can well be imagined, when parents are taken into consideration, the Hybrid is a very strong grower.	4½" Pots 5" Pots	\$25.00 \$30.00
393	Lc. Florence Pickard (Lc. Jane Dane X Lc. Britannia) The season for this cross is November through February. Excellent forms of White with fine colored lips have resulted from this union. Growth is exceptional.	4½" Pots 5" Pots 5½" Pots	\$25.00 \$30.00 \$35.00

Non-Warranty

WE, H. PATTERSON & SONS, ORCHIDHAVEN, give no warranty, express or implied, as to the productiveness of any of the plants we sell and will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of these plants.



*House No. 4 containing thousands of strong-growing,
new certified Orchidhaven Hybrids.*



*Seven Lead plant
of C. Enid Alba.*

CATTLEYA CULTURE

FOR THE USE of those who are interested in Cattleya culture, Orchidhaven is glad to furnish this information which is based on many years of practical experience.

HUMIDITY. A relative humidity between 65 and 80 has been found best. This may be provided by a small greenhouse, or a Wardian Case. In some climates, it is possible to provide for this humidity factor in the out-of-doors, using tree shade or a lath house. If this is done, a structure whose sides are screened in as a means of shedding the rain is best.

TEMPERATURE. Orchidhaven, in northern New Jersey, maintains an artificial night temperature of 62 degrees Fahrenheit. This temperature can be raised by 15 degrees on cloudy days, or with the help of the sun on bright days as much as 25 degrees or more. It is hardly necessary to say that in any growing enclosure, the exchange of air provides carbondioxide, an element of air itself, from which the plant obtains nourishment in the daytime. Nevertheless, while air is admitted in sufficient quantity for the plant's proper nourishment, care should be taken not to create drafts. A draft may reduce the humidity about the Cattleya at too fast a rate, and, since humidity is an essential factor for the well-being of this plant, the exchange of air should be controlled with this factor in mind.

LIGHT. Experiments in the rhythm of flowering in this country and abroad have shown that light is a very important stimulus in flowering. Studies reveal that duration as well as intensity of light determine the

time of flowering of some plants. In the successful growing of Cattleyas in greenhouses, shading should not be increased any more during the brighter summer months than to have it possible to discern contoured objects such as trees, chimneys, etc., from the interior.

In latitudes corresponding to Orchidhaven in northern New Jersey, clear glass may be used and all shade removed from greenhouses running north and south during the period between November 1st to February 15th (or March 15th, depending on conditions). You can set up the proper conditions to keep clear glass until March 15th if you are careful to regulate the air exchange and to damp down overhead at frequent intervals. These steps will keep the temperature sufficiently low while you expose the plant to maximum intensity and duration of light in this season; the result, as we have found at Orchidhaven, is beneficial to growth of the plant.

WATERING. The best plan to follow, with regard to watering in the containers, is to wait until the potting medium becomes quite crisp to the touch. But, if you are in doubt about this degree of crispness, it would be better to wait a day or two longer. More harm is done by over-watering than under-watering. Over-watering tends to rot and eradicate roots. Keeping a plant somewhat dry has the effect of promoting root action. However, it must be remembered that during the growing season, every orchid plant requires considerably more water in order to maintain its growth.

POTTING. Plants in all sizes should be potted very firmly. Pots should contain about $\frac{1}{3}$ crock. Our experience at Orchidhaven is that the $\frac{3}{4}$ size pots, or Azalea pots from 5 inches and up, are best because they have a larger bearing surface on the bench—providing greater stability, especially when the plant is tall. It is generally unwise to divide plants down lower than four-leaf bulbs. As a matter of sound practice, a fair amount of the old compost should be left on the plant so that it has sufficient substance until new roots are made. Rooting is fostered by keeping a plant on the dry side because roots grow from plants that are seeking moisture. After the roots are well set, watering can be gradually increased in order to fatten the bulbs and leaves as a means for obtaining a fine crop of flowers.

When buds are starting up the sheath, caution should be taken in watering and temperature control. Over-watering or chilling the plant at this stage may blast the buds.

The plant should always be kept well to the rear of the pot in order to leave plenty of growing space in the pot. It is important for the Cattleya grower to keep in mind the danger of over-potting. If there is a question about the size of the pot, be sure to choose the smaller one; it is always better to pot an extra time than to over-pot—besides, the watering of the plant becomes a more simple operation. Pots which are not too hard burned should be selected for orchid growing. A more porous pot helps the water and air to filter through the sides more readily than a hard burned pot.

SEEDLING REPOTTING. At Orchidhaven, we generally use peat of the yellow or brown type as being the best under most conditions. In most instances—especially in the case of seedlings—it is not necessary to remove any peat. You can merely “drop the plant on,” placing the plant to the rear of a slightly larger pot and jamming peat in the extra space. In the case of small seedlings, the most effective method is not to remove any of the old peat in the various repottings until the plant is large enough to bloom. This gives the plant an opportunity to develop without any hindrance.

Wire stakes are advised as supports for leaves and bulbs. Four-strand green cotton twine is recommended for tying to the stake. Be careful not to tie the leaves too tightly toward the stake.

SHADING. The various methods by which you can obtain satisfactory shading include slats, aluminum cloth, and a number of mixtures applied on the exterior of the glass. This last method is employed for shading at Orchidhaven. We select naphtha and white lead (soft paste), mixing these in the following manner: 8 pounds of white lead to 8 gallons of naphtha with a 3½ inch flower pot of linseed oil. Later in the season, when greater opaqueness is needed on the exterior to cut down radiation of light, the formula is changed to 12½ pounds of white lead to 8 gallons of naphtha with a 3½ inch pot of linseed oil. At the beginning of the summer, when even more shade is required, the amount of white lead in this formula is increased to 25 pounds. From that time on, we do not add any oil and gradually cut down on the weight of the white lead. This formula will bear the application of judgment since the amount of shade needed varies with location and climate.

It is far better to apply the mixture to the exterior of the house in frequent, thin coats than to make heavy applications. In the final analysis, heavy applications may defeat the purpose of proper shading and are difficult to remove.

The successful growth of Cattleyas depends to a large degree on the light which these plants receive. Light should be admitted to the point of turning the leaves a light yellow-green color. If one or two leaves are burned about the time shading is first applied or when shading is taken off or when heavier application is needed, you will know that you are giving the plants the maximum amount of light.

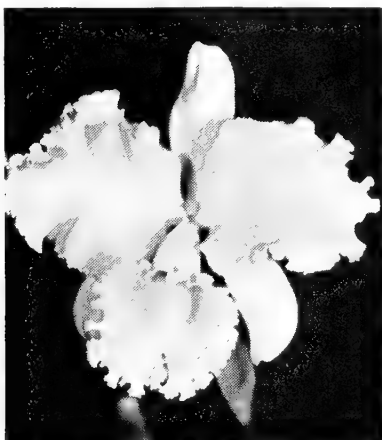
These suggestions are offered on the basis of the successful methods developed over a period of years at Orchidhaven. The growth of Cattleyas requires only simple, basic rules. The magnificent blooms which these plants produce are a rewarding experience for every one who enjoys the thrill of seeing fine and beautiful flowers grow under watchful care. It is a creative work which repays the amateur in many happy hours.

We at Orchidhaven are always glad to share with you our knowledge and experience in growing Cattleyas. Do not hesitate to write to us about any problem of growing. Moreover, Orchidhaven's doors are always open to you. We cordially invite you to visit us at any time.

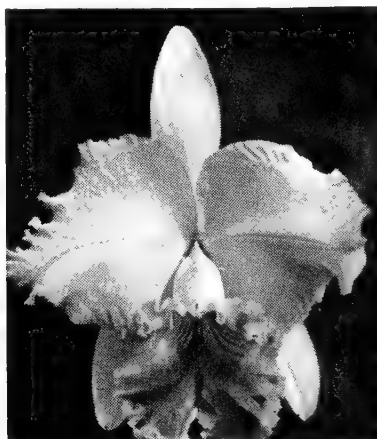
Hybrids by Orchidhaven

Pictured below are a few of our outstanding new and repeat crosses which have been produced by Orchidhaven.

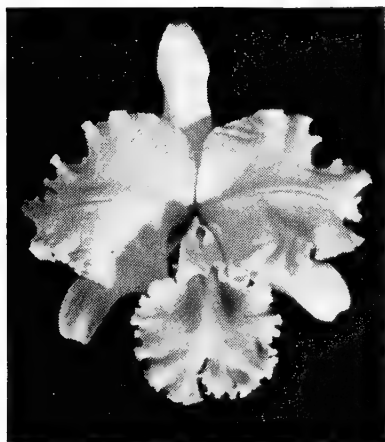
C. Enid Alba "Variety Orchidhaven F.C.C." This F.C.C. was awarded February 21st, 1951, at a judging meeting. The flowers were of tremendous size and extremely heavy texture. After the judging meeting the flowers were sent to the Miami Show where they were shown in good condition two days later. In all, these flowers were in bloom for three weeks before being shown. C. Enid Alba has proven itself to change its season very freely with lights, thereby making it even more valuable than before. It is one of the strongest growing White Colored Lip orchids in existence. We have on hand a large quantity of choice seedlings of this grand Hybrid all of which have been made with the identical parents.



C. June Adair. A fine pure white which blooms in December. It is a very strong grower and good flower production can be expected.



Lc. Jack McCauley (C. Treda X Lc. Altesse). A fine strong growing dark highly colored hybrid, possessing excellent texture, blooming in late Winter and early Spring.



No. 581 C. Agnes MacAndrew (C. Edithae "Variety White Empress F.C.C." X C. Barbara Billingsley). A repeat cross made with identical parents of the flower pictured here. The cross was made earlier but we only had a very small batch of plants. We have re-made it with the utmost confidence for a fine hybrid. A limited number of plants are available in 1 3/4 inch pots at \$6.00 each. The flower is of great texture and fine size resembling some of the other fine things made with C. Edithae "Variety White Empress F.C.C."

H. PATTERSON & SONS

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